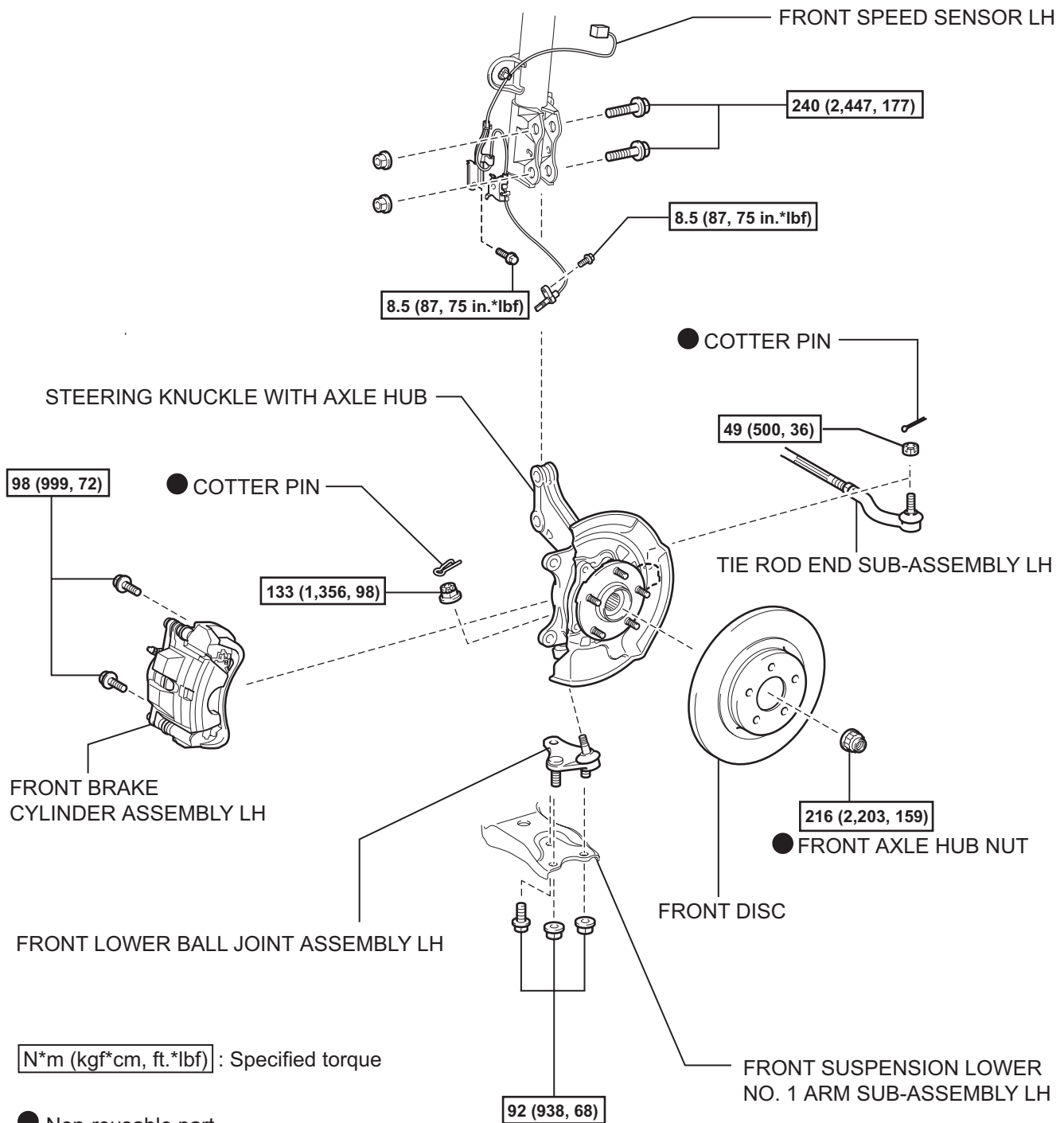


# FRONT LOWER BALL JOINT

## COMPONENTS

SP

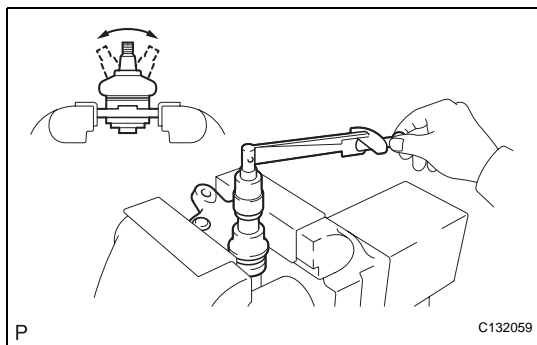
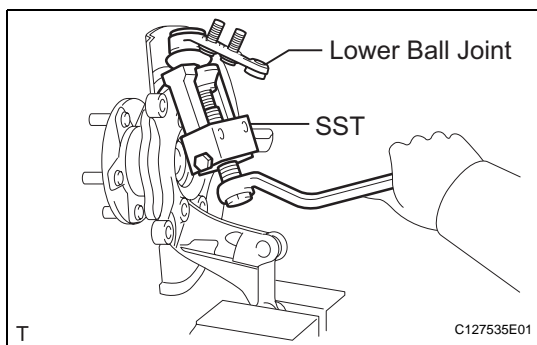


## REMOVAL

### HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. REMOVE FRONT WHEEL
2. REMOVE FRONT SPEED SENSOR LH (for 2WD) (See page [BC-191](#))
3. REMOVE FRONT BRAKE CYLINDER ASSEMBLY LH (See page [BR-40](#))
4. REMOVE FRONT DISC (See page [BR-42](#))
5. REMOVE FRONT AXLE HUB NUT (See page [AH-6](#))
6. DISCONNECT FRONT SUSPENSION LOWER NO. 1 ARM SUB-ASSEMBLY LH (See page [AH-7](#))
7. DISCONNECT TIE ROD END SUB-ASSEMBLY LH (See page [PS-42](#))
8. REMOVE STEERING KNUCKLE WITH AXLE HUB (See page [AH-7](#))
9. REMOVE FRONT LOWER BALL JOINT ASSEMBLY LH
  - (a) Remove the cotter pin and nut.
  - (b) Using SST, remove the lower ball joint.  
**SST 09628-62011**



## INSPECTION

1. INSPECT FRONT LOWER BALL JOINT ASSEMBLY LH
  - (a) As shown in the illustration, move the ball joint stud back and forth 5 times before installing the nut.
  - (b) Using a torque wrench, turn the nut continuously at a rate of 3 to 5 seconds per turn and take the torque reading on the fifth turn.  
**Standard turning torque:**  
**0.98 to 3.43 N\*m (10 to 35 kgf\*cm, 9 to 30 in.\*lbf) or less**
  - (c) Check for any cracks and grease leaks on the ball joint dust cover.

## INSTALLATION

### HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

#### 1. INSTALL FRONT LOWER BALL JOINT ASSEMBLY LH

- (a) Install the ball joint with the 2 bolts and nut to the lower arm.

**Torque: 92 N\*m (938 kgf\*cm, 68 ft.\*lbf)**

- (b) Install the lower ball joint with the nut to the steering knuckle.

**Torque: 133 N\*m (1,360 kgf\*cm, 98 ft.\*lbf)**

- (c) Install a new cotter pin.

If the holes for the cotter pin are not aligned, tighten the nut further up to 60°.

#### 2. INSTALL STEERING KNUCKLE WITH AXLE HUB (See page [AH-9](#))

#### 3. CONNECT FRONT SUSPENSION LOWER NO. 1 ARM SUB-ASSEMBLY LH (See page [AH-10](#))

#### 4. CONNECT TIE ROD END SUB-ASSEMBLY LH (See page [PS-45](#))

#### 5. INSTALL FRONT DISC (See page [BR-43](#))

#### 6. INSTALL FRONT DISC BRAKE CYLINDER ASSEMBLY LH (See page [BR-46](#))

#### 7. INSTALL FRONT AXLE HUB NUT (See page [AH-10](#))

#### 8. INSTALL FRONT SPEED SENSOR LH (See page [BC-193](#))

#### 9. INSTALL FRONT WHEEL

**Torque: 103 N\*m (1,050 kgf\*cm, 76 ft.\*lbf)**

#### 10. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT

- (a) Inspect and adjust the front wheel alignment (see page [SP-3](#)).